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(54) ETHYNYLPYRIMIDINE DERIVATIVE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new compound having strong thyroxine kinase blocking activities



and cancer cell growth inhibiting activities, and useful as a carcinostatic agent, an immunosuppressant, a platelet aggregation inhibitor, a therapeutic agent for arteriosclerosis, an antiinflammatory agent, a cancer cell growth inhibitor.

SOLUTION: The objective compound is the compound of formula I {A and B are each nitro, (CH₂)_nNR₃R₄ [(n) is 0 or 1; R₃ and R₄ are each H or a (substituted) 1-5C alkyl] or the like; R₁ is H, a halogen, a (substituted) phenyl or the like; R₂ is formula II [R₃ and R₄ are each H or COR₆ (R₆ is hydroxyl, a 1-5C alkoxy or the like); R₅ is hydroxyl, a 1-5C alkyl or the like] or the like}, e.g. ethynylquinazoline. The compound of the formula I is obtained by reacting the compound having a bicyclic condensed ring with the compound obtained by reacting an aldehyde with carbon tetrabromide or the like, in an etheric solvent such as tetrahydrofuran in the presence of a base such as triethylamine, a palladium complex such as Pd(PPh₃)₄ and copper (I) compound such as CuI at 20-200°C for 5 min to 8 hr.

LEGAL STATUS

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